

Weekly Report

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1. PVASt

ECharts论文成功投稿

VisComposer投稿

2. Idea evaluation: 不同分辨率/显示面积间迁移的设计准则

布置硕士生开始进行系统构建

TODO Next Week

- 继续idea evaluation和一些试验
- 专利
- 报告博客

Papaer Reading

CHI keywords search - display size

[1] B. Bridgeman, M. Lou Lennon, and A. Jackenthal, “Effects of Screen Size, Screen Resolution, and Display Rate on Computer-Based Test Performance,” *Appl. Meas. Educ.*, vol. 16, no. 3, pp. 191–205, 2003.

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[6] B. Yost, Y. Haciahetoglu, and C. North, “Beyond visual acuity,” *SIGCHI Conf.*, pp. 101–110, 2007.

- [7] M. Way and A. Muir, “Exploring Comfortable and Acceptable Text Sizes for In-Vehicle Displays Microsoft,” *Auto UI 2013*, pp. 232–236, 2013.
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- [12] L. Lischke et al., “Using Space: Effect of Display Size on Users’ Search Performance,” *Proc. 33rd Annu. ACM Conf. Ext. Abstr. Hum. Factors Comput. Syst. - CHI EA ’ 15*, pp. 1845–1850, 2015.
- [13] P. Strohmeier, J. Burstyn, and R. Vertegaal, “Effects of Display Sizes on a Scrolling Task using a Cylindrical Smartwatch,” *Proc. 17th Int. Conf. Human-Computer Interact. with Mob. Devices Serv. Adjun. - MobileHCI ’ 15*, pp. 846–853, 2015.
- [14] J. Zagermann, U. Pfeil, R. Rädle, H.-C. Jetter, C. Klokmoose, and H. Reiterer, “When Tablets meet Tabletops,” *Proc. 2016 CHI Conf. Hum. Factors Comput. Syst. - CHI ’ 16*, pp. 5470–5481, 2016.

CHI keywords search - resolution

- [1] C. Rooney and R. A. Ruddle, “HiReD: A High-Resolution Multi-Window Visualisation Environment for Cluster-Driven Displays,” *Proc. 7th ACM SIGCHI Symp. Eng. Interact. Comput. Syst. - EICS ’ 15*, pp. 2–11, 2015.
- [2] C. Anslow and B. L. W. Wong, “Effects of the Display Angle and Physical Size on Large Touch Displays in the Work Place,” *Proc. Interact. Surfaces Spaces ZZZ - ISS ’ 17*, pp. 318–323, 2017.
- [3] S. Knudsen, M. R. Jakobsen, and K. Hornbæk, “An Exploratory Study of How Abundant Display Space May Support Data Analysis,” *Proc. 7th Nord. Conf. Human-Computer Interact. Mak. Sense Through Des. - Nord. ’ 12*, pp. 558–567, 2012.
- [4] K. Reda, A. E. Johnson, M. E. Papka, and J. Leigh, “Effects of Display Size and

Resolution on User Behavior and Insight Acquisition in Visual Exploration,” Proc. 33rd Annu. ACM Conf. Hum. Factors Comput. Syst. (CHI ’ 15), pp. 2759–2768, 2015.

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Others

[1] F. Han, Y. Wang, J. Zhang, O. Deussen, and B. Chen, “Mathematical foundations of arc length-based aspect ratio selection,” IEEE Pacific Vis. Symp., vol. 2016–May, pp. 9–15, 2016.

[2] Y. Wang, F. Han, L. Zhu, O. Deussen, and B. Chen, “Line Graph or Scatter Plot? Automatic Selection of Methods for Visualizing Trends in Time Series,” IEEE Trans. Vis. Comput. Graph., pp. 1–1, 2017.

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Works Progresses

TASK	PROGRESS	TODO	ISSUES	DATE
专利（两个）	1/2	继续按照要求修改示意图		
VisComposer	投PFAST	等待回复		
VisEvo		idea evaluation		下周
JVLC	published			
电子学报	已提交	等待回复		
ECharts论文	投PFAST	等待回复		下周